

## Many other options available:

Custom modifications, electronic data capture equipment to meet your research needs. Intrinsic Property Measurements and GPS field location mapping options are available on all models.



### TECHNICAL DATA

SHP 90

SHP 50

SPC 40

SPC 20

PMC 20

HP 5

<b>Engine Options:</b>	Deutz 127 hp, 6 CL, water-cooled, turbo diesel	73 hp Deutz turbo diesel, air-cooled, 4-cyl.	83 hp Perkins diesel, water cooled, 4-cyl.	73 hp Deutz turbo diesel, air-cooled 4-cyl; other engines available	40 hp Deutz diesel, air-cooled, 3-cyl; 40 hp Perkins diesel, water-cooled.	40 hp Deutz diesel, air-cooled, 3-cyl.
<b>Fuel Tank Cap.:</b>	66 gallons	37 gal. (140L)	35 gal. (133L)	25 gal. (95L)	25 gal. (95L)	11 gal. (42L)
<b>Transmission:</b>	3-speed hydrostatic, electrohydraulic	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)	Hydrostatic, forw/rev (0-7 mph)
<b>Steering:</b>	2 or 3 range ground speeds	electrohydraulic	electrohydraulic	electrohydraulic	Power	electrohydraulic
<b>Brakes:</b>	Power (fail-safe override)	Power	Power	Power	Power	Power
<b>Fail-safe (electric over hydraulic release)</b>		Hydraulic fail-safe	Hydraulic fail-safe	Hydraulic fail-safe	Mech. parking	Hydraulic fail-safe
<b>Tires</b>						
<b>Front:</b>	18.4 x 28, 12-ply tubeless	12.4 x 24, 6-ply	14.9 x 24, 8-ply	11-2 x 24, 6-ply cab models 12.4 x 24, 8-ply	8.3 x 24, 6-ply	26 x 12.0-12, 4-ply
<b>Rear:</b>	10.5/80 x 18, 10-ply tubeless	8.5L x 14, 6-ply	8.5L x 14, 6-ply	8.5L x 14, 6-ply	23 x 8.5 x 12, flotation opt.	23 x 10.50-12, 4-ply
<b>Cylinder Drive Speed:</b>	Electric over hydraulic variable speed control, gear belt final drive	Var., hyd. drive Push button speed control	Var., hyd. drive	Var., hyd. drive	Fixed, mech. drive, std.; var. mech. drive, optional	Var., mech. drive
<b>Speed Range:</b>	0-880 rpm,	0-1100 rpm	0-900 rpm (opt. 1100 rpm)	0-900 rpm (opt. 1100 rpm)	250-1400 rpm	400-1100 rpm
<b>Diameter:</b>	20"	Dual cylinders	15.25" (39cm)	15.25" (39cm)	15.25" (39cm)	13.25" (34cm)
<b>Width:</b>	22"	13.25" (34cm); 17.5" (45cm), ea	31.5" (81cm)	31.5" (81cm)	31.5" (81cm)	17.5" (45cm)
<b>No. of Rasp Bars:</b>	8	8 each	8	8	8	8
<b>Concave Adjustment:</b>	Electric control w/indicator	Dual mech front/rear	Front/rear via single lever quick-adjust	Front/rear, quick-adjust	Independent front/rear, std; or quick-adjust via single lever.	Mech front/rear
<b>Sieve</b>	Air assist					
<b>Upper:</b>	2 straw-walkers per chamber	16.5"W x 55"L (42 x 141cm)	30"W x 75"L (76 x 191cm)	30"W x 55"L (76 x 140cm)	30"W x 55"L (76 x 140cm)	16.5"W x 55"L (42 x 141cm)
<b>Lower:</b>	One sieve per chamber 19" x 72"	N/A	30"W x 47.5"L (76 x 121cm)	30"W x 47.5"L (7 x 121cm)	30"W x 47.5"L (76 x 121cm)	N/A
<b>Total Sieve Area:</b>	1,368 sq in each	907.5 sq in (.59m <sup>2</sup> ) each	3,675 sq in (2.42m <sup>2</sup> )	3,075 sq in (1.98m <sup>2</sup> )	3,075 sq in (1.98m <sup>2</sup> )	907.5 sq in (.59m <sup>2</sup> )
<b>HEADER SPECS</b>						
<b>Std Header</b>						
<b>Cutting width:</b>	N/A	N/A	45", 51", 57", 60" (1-1.5m)	45", 51", 57", 60" (1-1.5m)	45", 51", 57", 60" (1-1.5m)	39" (1m)
<b>Cutting height:</b>	N/A	N/A	adj. to 36" (91cm) above ground	adj. to 36" (91cm) above ground	adj. to 36" (91cm) above ground	adj. to 33" (84cm) above ground
<b>Reel</b>	N/A	N/A	U-II	U-II	U-II	ALMACO
<b>No. of bats:</b>	N/A	N/A	5	5	5	4
<b>Diameter:</b>	N/A	N/A	65" (165cm)	65" (165cm)	65" (165cm)	48" (122cm)
<b>Speed control:</b>	Electric over hydraulic variable speed control 0-4.5 mph	N/A	Hyd chain-drive, adj from driver's seat, 0-100 rpm	Hyd chain-drive, adj from driver's seat, 0-100 rpm	Hyd chain-drive, adj from driver's seat, 0-100 rpm	Mech. drive, fixed speed
<b>Corn Head:</b>	4-row at 30", hyd-driven, gear belt drives, JDereere row units & snapping rollers	N/A	2-row, hyd-drive, JDereere row units & snapping rollers, row spacing adj 30"-40" (76-101cm)	2-row, hyd-drive, JDereere row units & snapping rollers, row spacing adj 30"-40" (76-101cm)	1-row, JDereere row units & snapping rollers, mech. drive	1-row, JDereere row units & snapping rollers, mech. drive
<b>Row Crop Head:</b>	4-row at 30" hyd-drive, gear belt dr.	Dual, 1-row JDereere	2-row, hyd-drive, JDereere	2-row, hyd-drive, JDereere	1-row, JDereere gathering	1-row, JDereere gathering
<b>Fixed or Adjustable Row Spacing</b>	JDereere style gathering belts, cutting knife, floating row units with rotary disks	gathering belts, cutting knife, chain guides, hyd drive, and variable speed	gathering belts & cutting knife, row spacings 30"-40" (76-101cm)	gathering belts & cutting knife, row spacings 30"-40" (76-101cm)	belts & cutting knife	belts & cutting knife
<b>DIMENSIONS</b>						
<b>Height (w/o cyclone):</b>	11'	-	10'2" (3m)	7'6" (2.28m)	10'6" (3.2m)	7'3" (2.2m)
<b>Length:</b>	Machine 17'6", with head 26'5"	19'5" (5.9m)	19'6" (6m)	17'6" (5.3m)	18'6" (5.6m)	16' (5m)
<b>Width:</b>	11'	8' (2.4m)	7' (2.1m)	7' (2.1m)	6' (1.8m)	4'4" (1.3m)
<b>Weight:</b>	22,000 lbs	8,500 lbs (3856kg)	10,000 lbs (4536kg)	7,200 lbs (3240kg)	5,800 lbs (2610kg)	3,400 lbs (1530kg)
<b>Track width:</b>	Front 112 3/4" Rear 107 3/4"	81" (206cm) outside, front and rear	66" (168cm) center to center on both axles	60" (152cm) center to center on both axles	60" (152cm) outside	45" (114cm) outside, front & rear
<b>Ground clearance:</b>	11"	-	11" (28cm)	11" (28cm)	11" (28cm)	7" (18cm)
<b>SPECIAL OPTIONS</b>						
	Intrinsic Property Measurements	Automated sample packager	1- to 2-person cab	1- to 2-person cab	1- to 2-person platform	Volumetric cylinder
	GPS field location mapping	Weigh hopper options	Rear wheel drive assist	1- to 2-person platform top	Mech. Dr. Var. Speed	Weigh hopper
	Electric folding mirror	Sample-handling options	Foot controls	Rear wheel drive assist	Threshing cylinder	Sample bag holder options
	Spare parts kit	Skip row, split head	Night lighting (standard)	Foot controls	Rear wheel drive assist	Foot controls
	Operator presence safety shut off in driver's seat	for 60" rows	Hydraulic dump hopper	Night lighting (standard)	Foot controls	Night lighting
	Automated Seed Sample Packager		Automated Seed Sample Packager	Gravity dump grain tank	Night lighting	Bulk seed storage options
				Hydraulic dump hopper	Breeder machine options	
				Automated Seed Sample Packager	Sun canopy	

Lightweight. Built tough to withstand rugged field conditions. Narrow wheel track makes it the preferred choice for harvesting cereal crops. Standard-equipped with one-person platform and manual valve on cyclone. Customized cereal crop and breeder's options available.

### PMC 20-A

- Well-equipped for one-person operation...cyclone hopper is mounted left of driver
- Includes 7-bushel grain tank
- Y-valve directs seed to bagging chute or grain tank

# PMC 20

### Features shown:

- Weight and moisture analysis
- Electronic data capture system
- Unload auger
- Pneumatic seed delivery
- Optional 10 bushel grain tank with unload auger
- Air column cleaning system
- Seed sample storage

### PMC 20-B

Large tires provide flotation and greater traction in adverse field conditions.

- Two-person platform provides superior comfort and communication between driver and bag-person
- Includes 7-bushel grain tank and controls for one- or two-person operation
- Y-valve directs seed to bagging chute or grain tank

### Special Options:

- Breeder machine options
- 1- to 2-person platform
- Threshing cylinder slowdown kit
- Rear wheel drive assist
- Foot controls
- Night lighting
- Sun canopy

